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          (c) 2003 Institution of Electrical Engineers
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          (c) 2003, EBSCO Pub.
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          (c)2001 ProQuest Info&Learning
File  483:Newspaper Abs Daily 1986-2003/Oct 25
          (c) 2003 ProQuest Info&Learning
File  248:PIRA 1975-2003/Oct W3
          (c) 2003 Pira International

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Set      Items    Description
S1     1178994    CAR OR CARS OR AUTOMOBILE OR TRUCK? OR VEHICLE?
S2       88849    S1 AND (RACING OR SPEEDING OR DRIVING OR RACE(3N)COURSE)
S3       27178    CAMERA AND (MOUNT? OR INSTALL? OR INSERT? OR CONNECT? OR A-
                  TTACH? OR INSERT? OR AUGMENT? OR APPEND?)
S4        1576    S3 AND (FORWARD OR TRACK OR ROAD OR LAPS)
S5       15254    (SHOW? OR VIEW? OR DISPLAY? OR FOLLOWING) AND S2
S6     2336465    S5 AND VIDEO OR FILM? OR MOVIE?
S7        5627    S2 AND NASCAR
S8        5168    S3 AND (MANY OR MULTI OR MULTIPLE OR SEVERAL OR PLURAL? OR
                  NUMEROUS)
S9      424962    (SIMULATION OR REAL)()TIME OR IMAX OR UR(2N)THERE OR YOU(2-
                  N)ARE()THERE
S10        335    ROAD()(RUSH OR RASH) OR EXTREME AND S2
S11          0    NEED()FOR()SPEED AND RACING()VIEW??
S12          9    S2 AND S8 AND (S9 OR S10)
S13          4    S12 AND PY=2000:2003
S14          5    S12 NOT S13
S15          3    RD S14 (unique items)
S16         60    S6 AND S7
S17          0    S16 AND S8
S18          1    S16 AND S9
S19          1    S18 NOT S12
```

15/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC

4087742   INSPEC Abstract Number: C9203-3390-163
Title: **Neural network-based vision processing for autonomous robot guidance**
   Author(s): Pomerleau, D.A.
   Author Affiliation: Sch. of Comput. Sci., Carnegie Mellon Univ., Pittsburgh, PA, USA
   Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.1469, pt.1   p.121-8
   Publication Date: 1991 Country of Publication: USA
   CODEN: PSISDG ISSN: 0277-786X
   Material Identity Number: C574-91147
   U.S. Copyright Clearance Center Code: 0277-786X/91/$4.00
   Conference Title: Applications of Artificial Neural Networks II
   Conference Sponsor: SPIE
   Conference Date: 2-5 April 1991   Conference Location: Orlando, FL, USA
   Language: English
   Subfile: C

   Abstract: The Autonomous Land **Vehicle** In a Neural Network (ALVINN) project addresses the problem of training artificial neural networks in **real** **time** to perform difficult perception tasks. ALVINN is a modular **connectionist** system that uses inputs from a video **camera** and an imaging laser rangefinder to guide the CMU Navlab, a modified Chevy van. The paper describes a technique for rapidly training expert networks for new **driving** circumstances. A rule-based integration scheme that uses a symbolic planning system to combine **multiple** experts is also presented.
   ...Descriptors: road **vehicles**
   Identifiers: Autonomous Land **Vehicle** In a Neural Network...

... **connectionist** system...

... **driving** circumstances

15/3,K/2   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)

05364112   E.I. No: EIP99094793249
   Title: Quantifying driver stress: Developing a system for collecting and processing bio-metric signals in natural situations
   Author: Healey, Jennifer; Seger, Justin; Picard, Rosalind
   Corporate Source: MIT Media Lab, Cambridge, MA, USA
   Conference Title: Proceedings of the 1999 36th Annual Rocky Mountain Bioengineering Symposium (RMBS) and 36th International ISA Biomedical Sciences Instrumentation Symposium
   Conference Location: Copper Mountain, CO, USA Conference Date: 19980416-19980418
   E.I. Conference No.: 55593
   Source: Biomedical Sciences Instrumentation v 35 1999. p 193-198
   Publication Year: 1999
   CODEN: BMSIA7 ISSN: 0067-8856
   Language: English

   ...Abstract: for quantifying the physiological features of emotional

stress is being developed for use during a **driving** task. Two prototypes, using sensors that measure the driver's skin conductance, respiration, muscle activity...

...channels and 20 Hz on six additional channels. It uses a wearable computer to do **real - time** processing on the signals and has an **attached** digital **camera** which was used to capture images of the driver's facial expression once every minute. The second system uses a **car** -based computer that allows a sampling rate of 1984 samples per second on eight channels. This system uses **multiple** video cameras to continuously capture the driver's facial expression and road conditions. The data...

...physiological signals using a video quad-splitter. The methods for extracting physiological features in the **driving** environment are discussed, including measurement of the skin conductance orienting response, muscle activity, pulse, and respiration patterns. Preliminary studies show how using **multiple** modalities of sensors can help discriminate reactions to **driving** events and how individual's response to similar **driving** conditions can vary from day to day. (Author abstract) 9 Refs.
   Descriptors: Biomedical engineering; Biosensors; Skin; Muscle; Cardiology ; Respiratory mechanics; Computer aided analysis; **Automobile** drivers; Video cameras

15/3,K/3   **(Item 1 from file: 483)**
DIALOG(R)File 483:Newspaper Abs Daily
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04685640
`**Speedway' races into town**
Parks, Louis B
Houston Chronicle, Sec F, p 1, col 1
Aug 8, 1997
ISSN: 1074-7109   NEWSPAPER CODE: HC
DOCUMENT TYPE: Movie Review-Favorable; Newspaper
LANGUAGE: English   RECORD TYPE: ABSTRACT
LENGTH: Medium (6-18 col inches)

...ABSTRACT: answered in words., but four-time Indy champion Mario Andretti does his best to help **IMAX** show us the answer in Super Speedway. Andretti and his son, Michael Andretti, also a top Indy- **car** driver, do this with the help of plenty of other drivers . With the **IMAX** **camera** **mounted** to their **cars** , the Andrettis raced with the others at more than 200 mph in practices before real races. **IMAX** filmmakers are on a constant quest to find new and exciting ways to use the **IMAX** image. After all, there are only so **many** times you can draw even the most enthusiastic viewers back with shots from an airplane flying over a cliff. **Car** **racing** proves to be a natural, though very difficult subject for the **IMAX** format.
?

19/3,K/1   (Item 1 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
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06303972   SUPPLIER NUMBER: 66831816
Motor sports attractions in Las Vegas getting up to speed
Levine, Arthur
Denver Post, p T.05
Jan 14, 2001
NEWSPAPER CODE: DPST
DOCUMENT TYPE: Feature; Newspaper article
LANGUAGE: English   RECORD TYPE: ABSTRACT

ABSTRACT: With **video** screens **showing** nonstop **racing** action, actual
Winston Cup **cars** on **display** and trophies and other **NASCAR** doodads
hanging in every nook and cranny, the 75,000-square-foot cafe is a **racing**
 fan's Nirvana. In hyper-Vegas tradition, the **NASCAR** Cafe also features
the world's largest stock **car** . The three-ton Carzilla roars to life on
the hour with enough decibels to wake the dead.   The Sahara **NASCAR**
venue also offers 3-D ride **film** theaters where guests can brave an
off-road or race track experience from a **you - are - there** perspective.
But its simulators take **racing** a step farther by putting drivers behind
the wheels of 24 scale model competition **vehicles** . Before [Mark Dyer]
brought the **NASCAR** Cafe to Vegas, the Sahara already featured its
Speedworld **racing** attraction. Dyer renamed it the Las Vegas Cyber
Speedway and re-themed some of the Indy-style **cars** to **NASCAR** stock
cars .   Away from Las Vegas, racers can put the pedal to the metal at a
number of **NASCAR** Silicon Motor Speedway locations including Schaumburg,
Ill., the Mall of America in Minneapolis and Grandville, Mich. Like the
Sahara **racing** attraction, these highly sophisticated simulators use all
kinds of sensory tricks to present an authentic **driving** experience.

...DESCRIPTORS: **Automobile   racing** ;
COMPANY INFORMATION:
National Association for Stock **Car** Auto **Racing**